



XTO Energy Inc.  
6401 Holiday Hill Road, Bldg 5  
Midland, TX 79707

Cheryl Rowell  
(432) 571-8205

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

AUG 26 2019

RECEIVED

August 23, 2019

Oil Conservation Division  
Attn: Phillip Goetze  
1220 S St. Francis  
Santa Fe, NM 87505

via certified mail 7013 1710 0001 1160 3916

Oil Conservation Division  
Attn: Ray Podany  
811 South First Street  
Artesia, NM 88210

via certified mail 7013 1710 0001 1160 3985

RE: Administrative Order SWD -1735  
Dated May 31, 2018

30-015-44388

Pursuant to the referenced Administrative Order, prior to commencing disposal the attached mudlog and letter dated August 23, 2019 from Matthew W. Kearney, P.G., XTO Energy, showing evidence of isolation of the injectable interval.

Please direct any feedback or questions to my attention.

Regards,

Cheryl Rowell  
Regulatory Coordinator

Attachments

e/og Referenced  
Not in File

An ExxonMobil Subsidiary

RW 8-30-19

August 23, 2019

New Mexico, Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Final Description of the Depth for the Injection Interval**

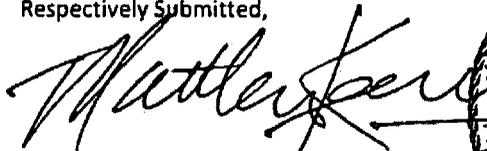
XTO Energy Inc., an ExxonMobil subsidiary  
Remuda Basin SWD No. 1 well  
1,320 feet FSL and 1,980 FEL of Section 25, Township 23 South, Range 29 East,  
Eddy County, New Mexico

To whom it may concern:

In reference to the Administrative Order SWD-1735 dated May 31, 2018, XTO Energy, Inc., an ExxonMobil subsidiary, has examined the mud log and geophysical log information from the Remuda Basin SWD No. 1 well, located as described above, and based on this information the Devonian and Silurian formations are open for disposal. The well reached a total depth of 16,150 feet, which is above the Ordovician Montoya Limestone. Based on the Halliburton Dual Laterolog Micro Guard log, dated September 16, 2018, the top of the Devonian Limestone/Dolomite is 15,096 feet and the Silurian Fusselman Dolomite is 15,570 feet. The bottom of the 7 inch liner at 15,066 feet is 30 feet above the top of the Devonian Limestone/Dolomite. For this well, the open-hole disposal interval is from 15,066 to 16,150 feet.

Based on the mud log, gas was encountered in the Devonian from 15,370 feet to 15,420 feet having moderate 150 to 500 units gas increase within a low mud weight of about 8.7 lbs., and the rig lost circulation and the well was shut in. A review of the drilling reports and discussions with the drilling engineer, suggests the well was not shut in due to gas or lost circulation in the disposal zone. Subsequent to installing casing from surface to 10,505 feet well above the disposal zone, the remainder of the well was drilled to TD without significant hydrocarbon shows or lost circulation. No other significant hydrocarbon shows were noted during the drilling of this interval.

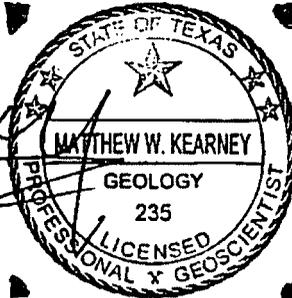
Respectively Submitted,

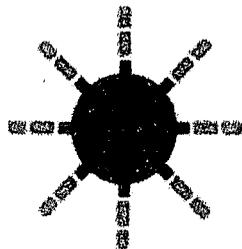


Matthew W. Kearney, P.G., C.P.G.

Geoscientist

XTO Energy Inc., an ExxonMobil subsidiary  
22777 Springwoods Village Parkway  
Spring, Texas 77389





# Impac

**PERMIAN BASIN**  
208 S. MAIN ST.  
FORT STOCKTON, TX 79736

**ANADARKO BASIN**  
1501 LERA DR. SUITE 3  
WEATHERFORD, OK 73088

**MARCELLUS-UTICA**  
5430 CHEROKEE AVE NEW  
NORTH CANTON, OH 44720

INFO@IMPACXS.COM

(888) 959-0350

COMPANY: XTO ENERGY INC.

WELL: REMUDA BASIN SWD #1

FIELD: SWD; DEVONIAN COUNTY: EDDY STATE: NM

LOCATION: SEC 25-T23S-R29E 1320 FSL 1980 FEL

Interval Logged: 3100 To: 16150 G.L.: 3061 K.B: 3091

Date Logged: 6-30-18 To: 9-15-18 Spud Date: 6-23-18

Rig: CACTUS 118 Unit No.: 211

Loggers: CHRIS WILSON & CHUK OBASI

Api No.: 30-015-44388

Filename: remuda\_basin\_sw\_d.mlw

Geologist: BRIAN HENTHORN

Created By MainLog

Abbreviations

Lithology Symbols

Accessories